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SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019

DATA QUALITY OBJECTIVE

**DOCUMENT CONTROL NO.: START-02-F-01817
CORNELL DUBILIER ELECTRONICS
PROJECT NO.: 2523**

**SAMPLING DATE MAY 4,1998
SAMPLING GROUP: 6041, 6068 & 6088**

**REPORTED BY
ROY F. WESTON, INC.**

REVIEWED BY: Zohreh Hamid

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Senior Chemist**

6-14-98

Date





CORNELL DUBILIER ELECTRONICS
PROJECT NUMBER: 2523
DCN: START-02-F-01817
SAMPLING DATE 5-4-98

INTRODUCTION

This quality assurance review is based upon a review of all data generated from forty seven soil samples, including two sets of field duplicates, and one reagent blank, collected on 05-04-98. The samples received on 05-05-98 by Ecology & Environment, Inc. (E & E) Laboratory, located in Lancaster, New York. The samples were grouped in three different SDG numbers by the laboratory, and analyzed according to the criteria set forth in SW846 Method 8082, for Poly Chlorinated Biphenyl (PCB) target compounds. The samples are tabulated in the following:

SDG NUMBER	SAMPLE ID
6041	A1-001 to A1-017 & A1-007A to A1-007C
6068	A1-018 to A1-036 & A1-010A
6088	A2-001 to A2-007 & RB-1

Two sets of MS/MSD samples were analyzed on samples A1-007B & A1-033.

All data have been validated with regard to usability according to USEPA Region II Functional Guidelines and the Quality Control criteria established in the applied Method. If you have any questions or comments on this data review, please call Zohreh Hamid at (610) 269-9989.

QUALITY ASSURANCE REVIEW

The findings offered in this report are based upon a review of the following criteria:

- Holding Times
- Calibrations
- Blanks
- Surrogate Recoveries
- Standards Recovery
- Matrix Spike/Spike Duplicate/Blank Spike Analyses
- Instrument Performance
- Field Duplicate Result
- Sample Results
- Data Completeness



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HOLDING TIME

All samples were extracted/analyzed within the Region II requirements.

CALIBRATIONS

A five-point calibration analysis was performed for aroclor-1016, aroclor-1254 and aroclor-1260. The percent RSDs were within the control limits of 20% at least in one column. Also, aroclor-1254 and aroclor-1660 were analyzed as continuing calibrations. The %Ds were within the control limits of less than 15% for all standards analyzed on primary and secondary columns.

The calibration blanks were not analyzed during the initial and continuing calibrations. However, the cross contamination was not expected, since "hexane" was analyzed prior to each calibration standard. The chromatogram for hexane was free of target compound peaks.

BLANK ANALYSIS

The preparation blanks and reagent blank were free of target compounds.

MATRIX SPIKE/SPIKE DUPLICATE ANALYSIS

Two sets of matrix spike/spike duplicate analyses were performed. The recoveries were within the control limits of 50-150, with the exception of aroclor-1254 recovery in A1-007BMS (13.8%). The recovery of the corresponding A1-007BMSPD was within the control limits. Consequently, the RPD (165) exceeded the QC limit of 35%. The data were not impacted, since the recoveries were within the control limits in the other QC sample.

One set of blank spike/spike duplicate samples (BS/BSD) was analyzed for each matrix. The recoveries were within the control limits with the exception of blank spike recovery (47.9%) in soil blank matrix spike. Also the RPD (48.6) exceeded the control limits. The data were not impacted since the deviation was marginal.

STANDARD RECOVERY

All external standard recoveries and retention times in the initial and continuing calibrations were within the control limits on the primary and secondary columns.



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SURROGATE RECOVERIES

The surrogate recoveries for TCX and DCB were within the control limits of 30-150% range with the exception of the following DCB surrogate compound recoveries:

Sample ID	Column #1	Column #2
A1-004	194	153
A1-007B	164	163
A1-007B MSD	178	174
A1-007C		167
A1-025		153
A1-029	179	180

Also, the recoveries of TCX surrogate compound in water blank (16/16%) were below the control limits of 50% on both column. The data for the above samples were not qualified, since at least one surrogate compound met the requirements.

The surrogate recoveries were diluted out in sample A1-002. Therefore, the retention times for TCX & DCB could not be evaluated. The sample data were not qualified based on these advisory limits.

DUPLICATE ANALYSIS

Two sets of field duplicate sample analyses were performed for these samples. The RPDs were listed in the following:

Sample IDs	Compound Name	Field Sample Result	Field Dup Results	RPD
A1-001/036	Aroclor-1254	470	360	27
	Arclor-1260	150	110	30
A1-007B/007C	Aroclor-1254	790	580	31
	Arclor-1260	380	300	24

The RPDs demonstrated the acceptable reproducibility for this matrix/analysis.



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SAMPLE RESULTS

The results were reported from two different columns. The %Ds for the reported results was within the validation requirement limit of 50% with the exception of the following:

Sample ID	Compound Name	%D
A1-001	Ar-1254	53
	Ar-1260	60
A1-004	Ar-1254	226
A1-005	Ar-1254	92
	Ar-1260	53
A1-007B	Ar-1260	79
A1-007C	Ar-1260	73
A1-008	Ar-1254	100
A1-009	Ar-1254	94
A1-013	Ar-1260	146
AR-014	Ar-1260	68
A1-015	Ar-1260	83
A1-017	Ar-1260	62
A1-018	Ar-1260	86
A1-019	Ar-1260	53
A1-020	Ar-1260	54
A1-022	Ar-1260	80
A1-024	Ar-1254	288
A1-025	AR-1254	117
A1-026	Ar-1254	118
	Ar-1260	65
A1-027	Ar-1260	100
A1-028	Ar-1260	96
A1-029	Ar-1260	108
A1-031	Ar-1260	65
A1-032	Ar-1260	64
A1-033	Ar-1260	59
A1-034	Ar-1260	79
A1-036	Ar-1260	55
A2-002	Ar-1260	210
A2-006	Ar-1260	108
A2-007	Ar-1260	75

Note: The sample results were flagged "P" by the laboratory for the %Ds above 25%. However, based on the validation requirements, the results were not qualified when the %D is less than 50%.

The reported results were contractually qualified estimated.



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Several samples were analyzed at higher dilutions due to the high levels of aroclor-1254. The validation review of chromatograms and the quantitation reports demonstrated that the applied dilutions are appropriate. Therefore, the data quality was considered acceptable.

The results below the reporting limits were qualified estimated due to the uncertainty near the detection limits.

DATA COMPLETENESS

Sample A1-004 was analyzed on 5-20-98 @ 23:02. The calibration chromatograms were not included in the corresponding data package. The quality of the data was not impacted since the required documents were found in the analysis data reported under SDG number 6178.

SUMMARY

The cooler temperatures were within the control limits. The analysis data packages followed the CLP type data package deliverable format. The data package completeness was satisfactory. The sulfur clean up analysis performed. The results from both sets of primary and secondary analyses were listed on similar form X. The lower of two values was reported on the form I. Overall the data quality was satisfactory, and major problems were not encountered during the sample analysis. The minor issues have been discussed. The reported data were summarized on the data summary with the applied qualifier codes.



- 1. Appendix A- Glossary of Data Qualifier**
- 2. Appendix B- Data Summary Forms**
- 3. Appendix C- Laboratory Results (Form I)**
- 4. Appendix D - Support Documentation**



Appendix A

Glossary of Data Qualifier

GLOSSARY OF DATA QUALIFIERS

CODES RELATING TO IDENTIFICATION

(confidence concerning presence or absence of compounds):

U = NOT DETECTED SUBSTANTIALLY ABOVE THE LEVEL REPORTED IN LABORATORY OR FIELD BLANKS.
[Substantially is equivalent to a result less than 10 times the blank level for common contaminants (methylene chloride, acetone and 2- butanone in the VOA analyses, and common phthalates in the BNA analyses, along with tentatively identified compounds) or less than 5 times the blank level for other target compounds.]

R = UNUSABLE RESULT. THE PRESENCE OR ABSENCE OF THIS ANALYTE CANNOT BE VERIFIED. SUPPORTING DATA NECESSARY TO CONFIRM RESULT.

N = NEGATED COMPOUND. THERE IS PRESUMPTIVE EVIDENCE TO MAKE A TENTATIVE IDENTIFICATION.

CODES RELATING TO QUATITATION

(can be used for both positive results and sample quantitation limits):

J = ANALYTE WAS POSITIVELY IDENTIFIED. REPORTED VALUE MAY NOT BE ACCURATE OR PRECISE.

UJ = ANALYTE WAS NOT DETECTED. THE REPORTED QUATITATION LIMIT IS QUALIFIED ESTIMATED.

OTHER CODES

Q = NO ANALYTICAL RESULT.



Appendix B

Data Summary Forms

Polychlorinated Biphenyl (PCB) Analysis
Data summary

Site ID: Cornell - Dubilier Electronics

Laboratory Name: E & E INC.

Case No.: 2523

SDG No.: 6041

Units: ug/kg

Sampling Date: May 4, 1998

PM: Michael Mahnkopf

DCN: START-02-F-01817

Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Client ID #	A1-001	A1 - 002	A1 - 003	A1 - 004	A1 - 005	A1 - 006	A1 - 007	A1 - 007A	A1 - 007B	
Lab ID #	6041	6042	6043	6044	6045	6046	6047	6048	6049	
Percent Moisture	23	21	22	24	30	21	24	21	23	
Dilution Factor	2	20	1	10	2	1	1	1	4	
PCB	MDL ug/kg									
Aroclor-1016	33	U	U	U	U	U	U	U	U	U
Aroclor-1221	67	U	U	U	U	U	U	U	U	U
Aroclor-1232	33	U	U	U	U	U	U	U	U	U
Aroclor-1242	33	U	U	U	U	U	U	U	U	U
Aroclor-1248	33	U	U	U	U	U	U	U	U	U
Aroclor-1254	33	470 J	2900	130	920 J	520 J	110	220	120	790
Aroclor-1260	33	150 J.	U	69	U	170 J	U	81	62	380 J

Remark

Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Client ID #	A1 - 007C	A1 - 008	A1 - 009	A1 - 010	A1 - 011	A1 - 012	A1 - 013	A1 - 014	A1 - 015	
Lab ID #	6050	6051	6052	6053	6054	6055	6056	6057	6058	
Percent Moisture	22	23	17	19	31	28	37	33	27	
Dilution Factor	4	2	1	1	1	1	5	2	1	
PCB	MDL ug/kg									
Aroclor-1016	33	U	U	U	U	U	U	U	U	U
Aroclor-1221	67	U	U	U	U	U	U	U	U	U
Aroclor-1232	33	U	U	U	U	U	U	U	U	U
Aroclor-1242	33	U	U	U	U	U	U	U	U	U
Aroclor-1248	33	U	U	U	U	U	U	U	U	U
Aroclor-1254	33	580	490 J	46 J	27 J*	100	100	1100	650	170
Aroclor-1260	33	300 J	150	31 J*	U	51	46	220 J	190 J	60 J

Remark Field Dup

* Below the detection limits

Polychlorinated Biphenyl (PCB) Analysis
Data summary

Site ID: Cornell - Dubilier Electronics
Laboratory Name: E & E INC.
Case No.: 2523
SDG No.: 6041
Units: ug/kg

Sampling Date: May 4, 1998
PM: Michael Mahnkopf
DCN: START-02-F-01817

Matrix	Soil	Soil									
Client ID #	A1 - 016	A1 - 017									
Lab ID #	6059	6060									
Percent Moisture	17	30									
Dilution Factor	1	1									
PCB	MDL ug/kg										
Aroclor-1016	33	U	U								
Aroclor-1221	67	U	U								
Aroclor-1232	33	U	U								
Aroclor-1242	33	U	U								
Aroclor-1248	33	U	U								
Aroclor-1254	33	81	230								
Aroclor-1260	33	38 J*	69 J								

Remark

* Below the detection limits

Polychlorinated Biphenyl (PCB) Analysis
Data summary

Site ID: Cornell - Dubilier Electronics
 Laboratory Name: E & E INC.
 Case No.: 2523
 SDG No.: 6068
 Units: ug/kg

Sampling Date: May 4, 1998
 PM: Michael Mahnkopf
 DCN: START-02-F-01817

Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Client ID #	A1-018	A1 - 019	A1 - 020	A1 - 021	A1 - 022	A1 - 023	A1 - 024	A1 - 025	A1 - 026
Lab ID #	6068	6069	6070	6071	6072	6073	6074	6075	6076
Percent Moisture	22	19	24	30	19	22	26	24	25
Dilution Factor	1	1	1	1	1	1	10	10	5
PCB	MDL ug/kg								
Aroclor-1016	33	U	U	U	U	U	U	U	U
Aroclor-1221	67	U	U	U	U	U	U	U	U
Aroclor-1232	33	U	U	U	U	U	U	U	U
Aroclor-1242	33	U	U	U	U	U	U	U	U
Aroclor-1248	33	U	U	U	U	U	U	U	U
Aroclor-1254	33	180	130	99	290	81	220	850 J	1200 J
Aroclor-1260	33	58 J	38 J*	28 J*	98	25 J*	80	U	U
									200 J*

Remark

Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Client ID #	A1 - 027	A1 - 028	A1 - 029	A1 - 030	A1 - 031	A1 - 032	A1 - 033	A1 - 034	A1 - 035
Lab ID #	6077	6078	6079	6080	6081	6082	6083	6084	6085
Percent Moisture	20	22	24	27	30	31	23	19	14
Dilution Factor	1	1	1	2	2	1	4	2	5
PCB	MDL ug/kg								
Aroclor-1016	33	U	U	U	U	U	U	U	U
Aroclor-1221	67	U	U	U	U	U	U	U	U
Aroclor-1232	33	U	U	U	U	U	U	U	U
Aroclor-1242	33	U	U	U	U	U	U	U	U
Aroclor-1248	33	U	U	U	U	U	U	U	U
Aroclor-1254	33	450	380	410	400	610	350	680	450
Aroclor-1260	33	110 J	92 J	120 J	130	170 J	110 J	220 J	140 J
									640

Remark

* Below the detection limits

**Polychlorinated Biphenyl (PCB) Analysis
Data summary**

Site ID: Cornell - Dubilier Electronics
 Laboratory Name: E & E INC.
 Case No.: 2523
 SDG No.: 6068
 Units: ug/kg

Sampling Date: May 4, 1998
 PM: Michael Mahnkopf
 DCN: START-02-F-01817

Matrix	Soil	Soil									
Client ID #	A1 - 036	A1 - 010A									
Lab ID #	6086	6087									
Percent Moisture	23	18									
Dilution Factor	1	1									
PCB	MDL ug/kg										
Aroclor-1016	33	U	U								
Aroclor-1221	67	U	U								
Aroclor-1232	33	U	U								
Aroclor-1242	33	U	U								
Aroclor-1248	33	U	U								
Aroclor-1254	33	360	95								
Aroclor-1260	33	110 J	43								

Remark Field Dup

Polychlorinated Biphenyl (PCB) Analysis
Data summary

Site ID: Cornell - Dubilier Electronics
 Laboratory Name: E & E INC.
 Case No.: 2523
 SDG No.: 6088
 Units: ug/kg

Sampling Date: May 4, 1998
 PM: Michael Mahnkopf
 DCN: START-02-F-01817

Matrix	Soil A2-001	Soil A2-002	Soil A2-003	Soil A2 - 004	Soil A2 - 005	Soil A2 - 006	Soil A2 - 007		
Client ID #	6088	6089	6090	6091	6092	6093	6094		
Lab ID #									
Percent Moisture	23	22	23	23	17	26	20		
Dilution Factor	1	1	1	1	1	1	1		
PCB	MDL ug/kg								
Aroclor-1016	33	U	U	U	U	U	U		
Aroclor-1221	67	U	U	U	U	U	U		
Aroclor-1232	33	U	U	U	U	U	U		
Aroclor-1242	33	U	U	U	U	U	U		
Aroclor-1248	33	U	U	U	U	U	U		
Aroclor-1254	33	250	220	270	250	22 J*	690	480	
Aroclor-1260	33	94	58 J	91	89	U	130 J	120 J	

Remark

* Below the detection limits

Polychlorinated Biphenyl (PCB) Analysis
Data summary

Site ID: Cornell - Dubilier Electronics
 Laboratory Name: E & E INC.
 Case No.: 2523
 SDG No.: 6088
 Units: ug/l

Sampling Date: May 4, 1998
 PM: Michael Mahnkopf
 DCN: START-02-F-01817

Matrix	Water										
Client ID #	RB-1										
Lab ID #	6095										
Percent Moisture											
Dilution Factor	1										
PCB	MDL ug/L										
Aroclor-1016	2.0	U									
Aroclor-1221	4.0	U									
Aroclor-1232	2.0	U									
Aroclor-1242	2.0	U									
Aroclor-1248	2.0	U									
Aroclor-1254	2.0	U									
Aroclor-1260	2.0	U									

Remark Reagent Blk.



Appendix C

Laboratory Reported Result

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-001

Lab Name: E & E INC.

Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6041

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 23 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/11/98

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
12674-11-2-----	Aroclor-1016	86	U	
11104-28-2-----	Aroclor-1221	170	U	
11141-16-5-----	Aroclor-1232	86	U	
53469-21-9-----	Aroclor-1242	86	U	
12672-29-6-----	Aroclor-1248	86	U	
11097-69-1-----	Aroclor-1254	470	P J	
11096-82-5-----	Aroclor-1260	150	P J	

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A1-002

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6042

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 21 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/11/98

Injection Volume: 2.00 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
12674-11-2-----	Aroclor-1016	840	U	
11104-28-2-----	Aroclor-1221	1700	U	
11141-16-5-----	Aroclor-1232	840	U	
53469-21-9-----	Aroclor-1242	840	U	
12672-29-6-----	Aroclor-1248	840	U	
11097-69-1-----	Aroclor-1254	2900		
11096-82-5-----	Aroclor-1260	840	U	

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-003

Lab Name: E & E INC.

Contract:

Lab Code: EANDE

Case No.: 9800.898

SAS No.:

SDG No.: 6041

Matrix: (soil/water) SOIL

Lab Sample ID: 6043

Sample wt/vol: 30.0 (g/mL) G

Lab File ID:

% Moisture: 22

decanted: (Y/N) N

Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 05/11/98

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	42	U
11104-28-2-----	Aroclor-1221	86	U
11141-16-5-----	Aroclor-1232	42	U
53469-21-9-----	Aroclor-1242	42	U
12672-29-6-----	Aroclor-1248	42	U
11097-69-1-----	Aroclor-1254	130	
11096-82-5-----	Aroclor-1260	69	

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

AI-004

Lab Name: E & E INC.

Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6044

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 24 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/20/98

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)		UG/KG	Q
12674-11-2-----	Aroclor-1016		430	U	
11104-28-2-----	Aroclor-1221		880	U	
11141-16-5-----	Aroclor-1232		430	U	
53469-21-9-----	Aroclor-1242		430	U	
12672-29-6-----	Aroclor-1248		430	U	
11097-69-1-----	Aroclor-1254		920	P	J
11096-82-5-----	Aroclor-1260		430	U	

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-005

Lab Name: E & E INC.

Contract:

Lab Code: EANDE

Case No.: 9800.898

SAS No.:

SDG No.: 6041

Matrix: (soil/water) SOIL

Lab Sample ID: 6045

Sample wt/vol: 30.0 (g/mL) G

Lab File ID:

% Moisture: 30 decanted: (Y/N) N

Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 05/11/98

Injection Volume: 2.00 (uL)

Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
12674-11-2-----	Aroclor-1016	94	U	
11104-28-2-----	Aroclor-1221	190	U	
11141-16-5-----	Aroclor-1232	94	U	
53469-21-9-----	Aroclor-1242	94	U	
12672-29-6-----	Aroclor-1248	94	U	
11097-69-1-----	Aroclor-1254	520	P	J
11096-82-5-----	Aroclor-1260	170	P	J

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-006

Lab Name: E & E INC.

Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6046

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 21 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/11/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
12674-11-2-----	Aroclor-1016	42	U	
11104-28-2-----	Aroclor-1221	85	U	
11141-16-5-----	Aroclor-1232	42	U	
53469-21-9-----	Aroclor-1242	42	U	
12672-29-6-----	Aroclor-1248	42	U	
11097-69-1-----	Aroclor-1254	110		
11096-82-5-----	Aroclor-1260	42	U	

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A1-007

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6047

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 24 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/11/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

12674-11-2-----	Aroclor-1016	43	U
11104-28-2-----	Aroclor-1221	88	U
11141-16-5-----	Aroclor-1232	43	U
53469-21-9-----	Aroclor-1242	43	U
12672-29-6-----	Aroclor-1248	43	U
11097-69-1-----	Aroclor-1254	220	
11096-82-5-----	Aroclor-1260	81	X

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A1-007A

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6048

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 21 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/11/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
12674-11-2-----	Aroclor-1016	42	U	
11104-28-2-----	Aroclor-1221	85	U	
11141-16-5-----	Aroclor-1232	42	U	
53469-21-9-----	Aroclor-1242	42	U	
12672-29-6-----	Aroclor-1248	42	U	
11097-69-1-----	Aroclor-1254	120	P	
11096-82-5-----	Aroclor-1260	62		

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A1-007B

Lab Code: EANDE

Case No.: 9800.898

SAS No.:

SDG No.: 6041

Matrix: (soil/water) SOIL

Lab Sample ID: 6049

Sample wt/vol: 30.0 (g/mL) G

Lab File ID:

% Moisture: 23 decanted: (Y/N) N

Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 05/12/98

Injection Volume: 2.00 (uL)

Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q	
12674-11-2-----	Aroclor-1016	170	U
11104-28-2-----	Aroclor-1221	350	U
11141-16-5-----	Aroclor-1232	170	U
53469-21-9-----	Aroclor-1242	170	U
12672-29-6-----	Aroclor-1248	170	U
11097-69-1-----	Aroclor-1254	790	
11096-82-5-----	Aroclor-1260	380	P J

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-007C

Lab Name: E & E INC.

Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6050

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 22 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/11/98

Injection Volume: 2.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q	
12674-11-2-----	Aroclor-1016	170	U
11104-28-2-----	Aroclor-1221	340	U
11141-16-5-----	Aroclor-1232	170	U
53469-21-9-----	Aroclor-1242	170	U
12672-29-6-----	Aroclor-1248	170	U
11097-69-1-----	Aroclor-1254	580	
11096-82-5-----	Aroclor-1260	300	X J

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FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A1-008

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6051

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 23 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/12/98

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
12674-11-2-----	Aroclor-1016	86	U	
11104-28-2-----	Aroclor-1221	170	U	
11141-16-5-----	Aroclor-1232	86	U	
53469-21-9-----	Aroclor-1242	86	U	
12672-29-6-----	Aroclor-1248	86	U	
11097-69-1-----	Aroclor-1254	490	P]	
11096-82-5-----	Aroclor-1260	150	P	

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-009

Lab Name: E & E INC.

Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6052

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 17 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/12/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q	
		40	U
12674-11-2-----	Aroclor-1016	40	U
11104-28-2-----	Aroclor-1221	81	U
11141-16-5-----	Aroclor-1232	40	U
53469-21-9-----	Aroclor-1242	40	U
12672-29-6-----	Aroclor-1248	40	U
11097-69-1-----	Aroclor-1254	46	P J
11096-82-5-----	Aroclor-1260	31	J *

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FORM I PEST

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1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A1-010

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6053

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 19 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/12/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
12674-11-2-----	Aroclor-1016	41	U
11104-28-2-----	Aroclor-1221	83	U
11141-16-5-----	Aroclor-1232	41	U
53469-21-9-----	Aroclor-1242	41	U
12672-29-6-----	Aroclor-1248	41	U
11097-69-1-----	Aroclor-1254	27	JP J*
11096-82-5-----	Aroclor-1260	41	U

BDL

FORM I PEST

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1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A1-011

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6054

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 31 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/12/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
---------	----------	---	-------	---

12674-11-2-----	Aroclor-1016	48	U
11104-28-2-----	Aroclor-1221	97	U
11141-16-5-----	Aroclor-1232	48	U
53469-21-9-----	Aroclor-1242	48	U
12672-29-6-----	Aroclor-1248	48	U
11097-69-1-----	Aroclor-1254	100	
11096-82-5-----	Aroclor-1260	51	

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1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-012

Lab Name: E & E INC.

Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6055

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 28 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/12/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
---------	----------	---	-------	---

12674-11-2-----	Aroclor-1016		46	U
11104-28-2-----	Aroclor-1221		93	U
11141-16-5-----	Aroclor-1232		46	U
53469-21-9-----	Aroclor-1242		46	U
12672-29-6-----	Aroclor-1248		46	U
11097-69-1-----	Aroclor-1254	100		
11096-82-5-----	Aroclor-1260		46	Z

FORM I PEST

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1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-013

Lab Name: E & E INC.

Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6056

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 37 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/12/98

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
12674-11-2-----	Aroclor-1016	260	U	
11104-28-2-----	Aroclor-1221	530	U	
11141-16-5-----	Aroclor-1232	260	U	
53469-21-9-----	Aroclor-1242	260	U	
12672-29-6-----	Aroclor-1248	260	U	
11097-69-1-----	Aroclor-1254	1100		
11096-82-5-----	Aroclor-1260	220	JP J	

FORM I PEST

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1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-014

Lab Name: E & E INC.

Contract:

Lab Code: EANDE

Case No.: 9800.898

SAS No.:

SDG No.: 6041

Matrix: (soil/water) SOIL

Lab Sample ID: 6057

Sample wt/vol: 30.0 (g/mL) G

Lab File ID:

% Moisture: 33

decanted: (Y/N) N

Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc)

SONC

Date Extracted: 05/07/98

Concentrated Extract Volume:

10000 (uL)

Date Analyzed: 05/12/98

Injection Volume: 2.00 (uL)

Dilution Factor: 2.00

GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG		Q
		99	U	
12674-11-2-----	Aroclor-1016	99	U	
11104-28-2-----	Aroclor-1221	200	U	
11141-16-5-----	Aroclor-1232	99	U	
53469-21-9-----	Aroclor-1242	99	U	
12672-29-6-----	Aroclor-1248	99	U	
11097-69-1-----	Aroclor-1254	650		
11096-82-5-----	Aroclor-1260	190	P J	

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-015

Lab Name: E & E INC.

Contract:-

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6058

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 27 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/12/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
12674-11-2-----	Aroclor-1016	45	U	
11104-28-2-----	Aroclor-1221	92	U	
11141-16-5-----	Aroclor-1232	45	U	
53469-21-9-----	Aroclor-1242	45	U	
12672-29-6-----	Aroclor-1248	45	U	
11097-69-1-----	Aroclor-1254	170	P	J
11096-82-5-----	Aroclor-1260	60		

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A1-017

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6060

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 30 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/12/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
12674-11-2-----	Aroclor-1016	47	U	
11104-28-2-----	Aroclor-1221	96	U	
11141-16-5-----	Aroclor-1232	47	U	
53469-21-9-----	Aroclor-1242	47	U	
12672-29-6-----	Aroclor-1248	47	U	
11097-69-1-----	Aroclor-1254	230		
11096-82-5-----	Aroclor-1260	69		J

FORM I PEST

SW8082

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1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-018

Lab Name: E & E INC.

Contract:

Lab Code: EANDE

Case No.: 9800.900

SAS No.:

SDG No.: 6068

Matrix: (soil/water) SOIL

Lab Sample ID: 6068

Sample wt/vol: 30.0 (g/mL) G

Lab File ID:

% Moisture: 22 decanted: (Y/N) N

Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 05/15/98

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND			
12674-11-2-----	Aroclor-1016		42	U
11104-28-2-----	Aroclor-1221		86	U
11141-16-5-----	Aroclor-1232		42	U
53469-21-9-----	Aroclor-1242		42	U
12672-29-6-----	Aroclor-1248		42	U
11097-69-1-----	Aroclor-1254		180	
11096-82-5-----	Aroclor-1260		58	P J

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A1-019

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6069

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 19 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/15/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
---------	----------	---	-------	---

12674-11-2-----	Aroclor-1016		41	U
11104-28-2-----	Aroclor-1221		83	U
11141-16-5-----	Aroclor-1232		41	U
53469-21-9-----	Aroclor-1242		41	U
12672-29-6-----	Aroclor-1248		41	U
11097-69-1-----	Aroclor-1254	130		
11096-82-5-----	Aroclor-1260	38	JP J*	

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FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A1-020

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6070

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 24 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/15/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q		
12674-11-2-----	Aroclor-1016	43	U	
11104-28-2-----	Aroclor-1221	88	U	
11141-16-5-----	Aroclor-1232	43	U	
53469-21-9-----	Aroclor-1242	43	U	
12672-29-6-----	Aroclor-1248	43	U	
11097-69-1-----	Aroclor-1254	99		
11096-82-5-----	Aroclor-1260	28	JP J*	

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FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract: _____

A1-021

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6071

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 30 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/15/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
12674-11-2-----	Aroclor-1016	47	U
11104-28-2-----	Aroclor-1221	96	U
11141-16-5-----	Aroclor-1232	47	U
53469-21-9-----	Aroclor-1242	47	U
12672-29-6-----	Aroclor-1248	47	U
11097-69-1-----	Aroclor-1254	290	
11096-82-5-----	Aroclor-1260	98	P✓

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-022

Lab Name: E & E INC.

Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6072

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: .19 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/15/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
12674-11-2-----	Aroclor-1016		41	U
11104-28-2-----	Aroclor-1221		83	U
11141-16-5-----	Aroclor-1232		41	U
53469-21-9-----	Aroclor-1242		41	U
12672-29-6-----	Aroclor-1248		41	U
11097-69-1-----	Aroclor-1254		81	
11096-82-5-----	Aroclor-1260		25	JP J*

* BDL

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-023

Lab Name: E & E INC.

Contract:

Lab Code: EANDE

Case No.: 9800.900

SAS No.:

SDG No.: 6068

Matrix: (soil/water) SOIL

Lab Sample ID: 6073

Sample wt/vol: 30.0 (g/mL) G

Lab File ID:

% Moisture: 22 decanted: (Y/N) N

Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 05/15/98

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
12674-11-2-----	Aroclor-1016		42	U
11104-28-2-----	Aroclor-1221		86	U
11141-16-5-----	Aroclor-1232		42	U
53469-21-9-----	Aroclor-1242		42	U
12672-29-6-----	Aroclor-1248		42	U
11097-69-1-----	Aroclor-1254		220	
11096-82-5-----	Aroclor-1260		80	P

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-024

Lab Name: E & E INC.

Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6074

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 26 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/98

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q		
12674-11-2-----	Aroclor-1016	450	U	
11104-28-2-----	Aroclor-1221	910	U	
11141-16-5-----	Aroclor-1232	450	U	
53469-21-9-----	Aroclor-1242	450	U	
12672-29-6-----	Aroclor-1248	450	U	
11097-69-1-----	Aroclor-1254	850	P J	
11096-82-5-----	Aroclor-1260	450	U	

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-025

Lab Name: E & E INC.

Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6075

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 24 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/98

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
12674-11-2-----	Aroclor-1016	430	U	
11104-28-2-----	Aroclor-1221	880	U	
11141-16-5-----	Aroclor-1232	430	U	
53469-21-9-----	Aroclor-1242	430	U	
12672-29-6-----	Aroclor-1248	430	U	
11097-69-1-----	Aroclor-1254	1200	P J	
11096-82-5-----	Aroclor-1260	430	U	

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A1-026

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6076

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 25 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/98

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
12674-11-2-----	Aroclor-1016	220	U	
11104-28-2-----	Aroclor-1221	450	U	
11141-16-5-----	Aroclor-1232	220	U	
53469-21-9-----	Aroclor-1242	220	U	
12672-29-6-----	Aroclor-1248	220	U	
11097-69-1-----	Aroclor-1254	780	P	J
11096-82-5-----	Aroclor-1260	200	JP	*

#BDL

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A1-027

Lab Code: EANDE

Case No.: 9800.900

SAS No.:

SDG No.: 6068

Matrix: (soil/water) SOIL

Lab Sample ID: 6077

Sample wt/vol: 30.0 (g/mL) G

Lab File ID:

% Moisture: 20 decanted: (Y/N) N

Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
---------	----------	---	-------	---

12674-11-2-----	Aroclor-1016	41	U	
11104-28-2-----	Aroclor-1221	84	U	
11141-16-5-----	Aroclor-1232	41	U	
53469-21-9-----	Aroclor-1242	41	U	
12672-29-6-----	Aroclor-1248	41	U	
11097-69-1-----	Aroclor-1254	450		
11096-82-5-----	Aroclor-1260	110	P✓	J

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-028

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6078

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 22 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
12674-11-2-----	Aroclor-1016	42	U	
11104-28-2-----	Aroclor-1221	86	U	
11141-16-5-----	Aroclor-1232	42	U	
53469-21-9-----	Aroclor-1242	42	U	
12672-29-6-----	Aroclor-1248	42	U	
11097-69-1-----	Aroclor-1254	380		
11096-82-5-----	Aroclor-1260	92	P	J

FORM I PEST

SW8082

PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A1-029

Lab Code: EANDE

Case No.: 9800.900

SAS No.:

SDG No.: 6068

Matrix: (soil/water) SOIL

Lab Sample ID: 6079

Sample wt/vol: 30.0 (g/mL) G

Lab File ID:

% Moisture: 24

decanted: (Y/N) N

Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc)

SONC

Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
---------	----------	---	-------	---

12674-11-2-----	Aroclor-1016
11104-28-2-----	Aroclor-1221
11141-16-5-----	Aroclor-1232
53469-21-9-----	Aroclor-1242
12672-29-6-----	Aroclor-1248
11097-69-1-----	Aroclor-1254
11096-82-5-----	Aroclor-1260

43	U
88	U
43	U
43	U
43	U
410	U
120	P

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A1-030

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6080

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 27 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/98

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
12674-11-2-----	Aroclor-1016	90	U	
11104-28-2-----	Aroclor-1221	180	U	
11141-16-5-----	Aroclor-1232	90	U	
53469-21-9-----	Aroclor-1242	90	U	
12672-29-6-----	Aroclor-1248	90	U	
11097-69-1-----	Aroclor-1254	400	P✓	
11096-82-5-----	Aroclor-1260	130	P✓	

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A1-031

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6081

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 30 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/98

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
---------	----------	---	-------	---

12674-11-2-----	Aroclor-1016	94	U	
11104-28-2-----	Aroclor-1221	190	U	
11141-16-5-----	Aroclor-1232	94	U	
53469-21-9-----	Aroclor-1242	94	U	
12672-29-6-----	Aroclor-1248	94	U	
11097-69-1-----	Aroclor-1254	610		P
11096-82-5-----	Aroclor-1260	170		J

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A1-032

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6082

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 31 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
12674-11-2-----	Aroclor-1016	48	U	
11104-28-2-----	Aroclor-1221	97	U	
11141-16-5-----	Aroclor-1232	48	U	
53469-21-9-----	Aroclor-1242	48	U	
12672-29-6-----	Aroclor-1248	48	U	
11097-69-1-----	Aroclor-1254	350		X
11096-82-5-----	Aroclor-1260	110		J

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A1-033

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6083

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 23 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/98

Injection Volume: 2.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
---------	----------	---	-------	---

12674-11-2-----	Aroclor-1016	170	U	
11104-28-2-----	Aroclor-1221	350	U	
11141-16-5-----	Aroclor-1232	170	U	
53469-21-9-----	Aroclor-1242	170	U	
12672-29-6-----	Aroclor-1248	170	U	
11097-69-1-----	Aroclor-1254	680		
11096-82-5-----	Aroclor-1260	220	X	J

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-034

Lab Name: E & E INC.

Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6084

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 19 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/98

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
---------	----------	---	-------	---

12674-11-2-----	Aroclor-1016	81	U	
11104-28-2-----	Aroclor-1221	170	U	
11141-16-5-----	Aroclor-1232	81	U	
53469-21-9-----	Aroclor-1242	81	U	
12672-29-6-----	Aroclor-1248	81	U	
11097-69-1-----	Aroclor-1254	450		
11096-82-5-----	Aroclor-1260	140	P	J

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A1-035

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6085

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 14 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/98

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
12674-11-2-----	Aroclor-1016	190	U
11104-28-2-----	Aroclor-1221	390	U
11141-16-5-----	Aroclor-1232	190	U
53469-21-9-----	Aroclor-1242	190	U
12672-29-6-----	Aroclor-1248	190	U
11097-69-1-----	Aroclor-1254	820	
11096-82-5-----	Aroclor-1260	640	

FORM I PEST

SW8082

101

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A1-036

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6086

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 23 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
---------	----------	---	-------	---

12674-11-2-----	Aroclor-1016		43	U
11104-28-2-----	Aroclor-1221		87	U
11141-16-5-----	Aroclor-1232		43	U
53469-21-9-----	Aroclor-1242		43	U
12672-29-6-----	Aroclor-1248		43	U
11097-69-1-----	Aroclor-1254		360	P
11096-82-5-----	Aroclor-1260		110	P

field DVP

FORM I PEST

SW8082

106

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A1-010A

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6087

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 18 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND			
12674-11-2-----	Aroclor-1016		40	U
11104-28-2-----	Aroclor-1221		82	U
11141-16-5-----	Aroclor-1232		40	U
53469-21-9-----	Aroclor-1242		40	U
12672-29-6-----	Aroclor-1248		40	U
11097-69-1-----	Aroclor-1254		95	P✓
11096-82-5-----	Aroclor-1260		43	P✓

FORM I PEST

SW8082

111

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A2-001

Lab Name: E & E INC.

Contract:

Lab Code: EANDE Case No.: 9800.901 SAS No.: SDG No.: 6088

Matrix: (soil/water) SOIL Lab Sample ID: 6088

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 23 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

12674-11-2-----Aroclor-1016		43	U
11104-28-2-----Aroclor-1221		87	U
11141-16-5-----Aroclor-1232		43	U
53469-21-9-----Aroclor-1242		43	U
12672-29-6-----Aroclor-1248		43	U
11097-69-1-----Aroclor-1254		250	P
11096-82-5-----Aroclor-1260		94	P

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A2-002

Lab Code: EANDE Case No.: 9800.901 SAS No.: SDG No.: 6088

Matrix: (soil/water) SOIL Lab Sample ID: 6089

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 22 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
12674-11-2-----	Aroclor-1016	42	U	
11104-28-2-----	Aroclor-1221	86	U	
11141-16-5-----	Aroclor-1232	42	U	
53469-21-9-----	Aroclor-1242	42	U	
12672-29-6-----	Aroclor-1248	42	U	
11097-69-1-----	Aroclor-1254	220		P J
11096-82-5-----	Aroclor-1260	58		

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A2-003

Lab Name: E & E INC.

Contract:

Lab Code: EANDE

Case No.: 9800.901

SAS No.:

SDG No.: 6088

Matrix: (soil/water) SOIL

Lab Sample ID: 6090

Sample wt/vol: 30.0 (g/mL) G

Lab File ID:

% Moisture: 23 decanted: (Y/N) N

Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
12674-11-2-----	Aroclor-1016	43	U	
11104-28-2-----	Aroclor-1221	87	U	
11141-16-5-----	Aroclor-1232	43	U	
53469-21-9-----	Aroclor-1242	43	U	
12672-29-6-----	Aroclor-1248	43	U	
11097-69-1-----	Aroclor-1254	270		
11096-82-5-----	Aroclor-1260	91	X	

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A2-004

Lab Code: EANDE

Case No.: 9800.901

SAS No.:

SDG No.: 6088

Matrix: (soil/water) SOIL

Lab Sample ID: 6091

Sample wt/vol: 30.0 (g/mL) G

Lab File ID:

% Moisture: 23

decanted: (Y/N) N

Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc)

SONC

Date Extracted: 05/11/98

Concentrated Extract Volume:

10000 (uL)

Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
12674-11-2-----	Aroclor-1016	43	U	
11104-28-2-----	Aroclor-1221	87	U	
11141-16-5-----	Aroclor-1232	43	U	
53469-21-9-----	Aroclor-1242	43	U	
12672-29-6-----	Aroclor-1248	43	U	
11097-69-1-----	Aroclor-1254	250	P	
11096-82-5-----	Aroclor-1260	89	P	

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A2-005

Lab Code: EANDE Case No.: 9800.901 SAS No.: SDG No.: 6088

Matrix: (soil/water) SOIL Lab Sample ID: 6092

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 17 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
12674-11-2-----	Aroclor-1016		40	U
11104-28-2-----	Aroclor-1221		81	U
11141-16-5-----	Aroclor-1232		40	U
53469-21-9-----	Aroclor-1242		40	U
12672-29-6-----	Aroclor-1248		40	U
11097-69-1-----	Aroclor-1254		22	J
11096-82-5-----	Aroclor-1260		40	U

\$BDL

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A2-006

Lab Code: EANDE Case No.: 9800.901 SAS No.: SDG No.: 6088

Matrix: (soil/water) SOIL Lab Sample ID: 6093

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 26 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
12674-11-2-----	Aroclor-1016	45	U	
11104-28-2-----	Aroclor-1221	91	U	
11141-16-5-----	Aroclor-1232	45	U	
53469-21-9-----	Aroclor-1242	45	U	
12672-29-6-----	Aroclor-1248	45	U	
11097-69-1-----	Aroclor-1254	690		
11096-82-5-----	Aroclor-1260	130	P J	

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

A2-007

Lab Code: EANDE

Case No.: 9800.901

SAS No.:

SDG No.: 6088

Matrix: (soil/water) SOIL

Lab Sample ID: 6094

Sample wt/vol: 30.0 (g/mL) G

Lab File ID:

% Moisture: 20

decanted: (Y/N) N

Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc)

SONC

Date Extracted: 05/11/98

Concentrated Extract Volume:

10000 (uL)

Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH:

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	41	U
11104-28-2-----	Aroclor-1221	84	U
11141-16-5-----	Aroclor-1232	41	U
53469-21-9-----	Aroclor-1242	41	U
12672-29-6-----	Aroclor-1248	41	U
11097-69-1-----	Aroclor-1254	480	
11096-82-5-----	Aroclor-1260	120	PJ

FORM I PEST

SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: E & E INC.

Contract:

RB-1

Lab Code: EANDE Case No.: 9800.901 SAS No.: SDG No.: 6088

Matrix: (soil/water) WATER Lab Sample ID: 6095

Sample wt/vol: 500 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/15/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
12674-11-2-----	Aroclor-1016		2.0	U
11104-28-2-----	Aroclor-1221		4.0	U
11141-16-5-----	Aroclor-1232		2.0	U
53469-21-9-----	Aroclor-1242		2.0	U
12672-29-6-----	Aroclor-1248		2.0	U
11097-69-1-----	Aroclor-1254		2.0	U
11096-82-5-----	Aroclor-1260		2.0	U

The method BIK had surrogate < QC (only one surrogate)
However, the recoveries were within the control limits in this blank

FORM I PEST

SW8082



Appendix D

Support Documentation

2F
SOIL PCB SURROGATE RECOVERY

Lab Name: E & E INC.

Contract:

Lab Code: EANDE

Case No.: 9800.898

SAS No.:

SDG No.: 6041

GC Column(1): RTX-5

ID: 0.53 (mm)

GC Column(2): RTX-35

ID: 0.53 (mm)

EPA SAMPLE NO.	TCX %REC #	TCX %REC #	DCB %REC #	DCB %REC #	OTHER (1)	OTHER (2)	TOT OUT
01 PBLKS1	104	100	96	95			0
02 A1-001	101	102	124	124			0
03 A1-002	0D	0D	0D	0D			0
04 A1-003	91	88	96	96			0
05 A1-004	115	109	194*	153*			2
06 A1-005	106	106	119	137			0
07 A1-006	112	108	116	122			0
08 A1-007	98	95	102	106			0
09 A1-007A	88	85	86	94			0
10 A1-007B	99	104	164*	163*			2
11 A1-007BMS	86	88	140	139			0
12 A1-007BMSD	108	112	178*	174*			2
13 A1-007C	85	88	134	167*			1
14 A1-008	98	102	126	140			0
15 A1-009	108	103	96	98			0
16 A1-010	102	98	110	139			0
17 A1-011	104	99	95	120			0
18 A1-012	104	100	126	104			0
19 A1-013	110	113	122	120			0
20 A1-014	96	100	122	104			0
21 A1-015	118	114	123	123			0
22 A1-016	112	110	106	112			0
23 A1-017	95	96	85	97			0

QC LIMITS

TCX = Tetrachloro-m-xylene (30-150)
 DCB = Decachlorobiphenyl (30-150)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2F
SOIL PCB SURROGATE RECOVERY

Lab Name: E & E INC.

Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

GC Column(1): RTX-5 ID: 0.53 (mm) GC Column(2): RTX-35 ID: 0.53 (mm)

SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01 PBLKS1	109	101	112	103			0
02 A1-010A	110	103	95	100			0
03 A1-018	90	91	103	101			0
04 A1-019	104	101	103	104			0
05 A1-020	109	106	114	106			0
06 A1-021	110	105	104	92			0
07 A1-022	96	91	96	90			0
08 A1-023	104	102	102	103			0
09 A1-024	96	92	147	98			0
10 A1-025	118	110	153*	120			1
11 A1-026	108	105	144	134			0
12 A1-027	61	61	94	92			0
13 A1-028	95	93	99	110			0
14 A1-029	96	94	179*	180*			2
15 A1-030	100	98	97	97			0
16 A1-031	94	94	105	105			0
17 A1-032	84	82	86	101			0
18 A1-033	82	80	96	98			0
19 A1-033MS	106	104	130	129			0
20 A1-033MSD	104	102	122	122			0
21 A1-034	104	102	116	117			0
22 A1-035	106	106	120	124			0
23 A1-036	106	101	106	108			0

QC LIMITS

TCX = Tetrachloro-m-xylene (60-150)
DCB = Decachlorobiphenyl (60-150)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2F
SOIL PCB SURROGATE RECOVERY

Lab Name: E & E INC.

Contract:

Lab Code: EANDE

Case No.: 9800.901

SAS No.:

SDG No.: 6088

GC Column(1): RTX-5

ID: 0.53 (mm)

GC Column(2): RTX-35

ID: 0.53 (mm)

SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01 PBLKS1	110	101	107	104			0
02 A2-001	109	104	119	118			0
03 A2-002	99	94	98	98			0
04 A2-003	99	97	107	107			0
05 A2-004	106	104	98	108			0
06 A2-005	99	94	94	88			0
07 A2-006	106	101	120	112			0
08 A2-007	104	100	112	115			0

QC LIMITS

TCX = Tetrachloro-m-xylene (50-150)

DCB = Decachlorobiphenyl (50-150)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2E
WATER PCB SURROGATE RECOVERY

Lab Name: E & E INC.

Contract:

Lab Code: EANDE Case No.: 9800.901 SAS No.: SDG No.: 6088

GC Column(1): RTX-5 ID: 0.53 (mm) GC Column(2): RTX-35 ID: 0.53 (mm)

SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01 PBLKW1	16*	16*	68	66			2
02 RB-1	95	90	63	62			0

QC LIMITS

TCX = Tetrachloro-m-xylene (50-150)

DCB = Decachlorobiphenyl (50-150)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3F
SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: E & E INC.

Contract:

Lab Code: FANDE

Case No.: 9800.900

SAS No.:

SDG No.: 6068

Matrix Spike -

Sample No.: A1-033

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1254	217	680	1000	147	50-150

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
Aroclor-1254	217	980	138	6.3	35 50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 1 outside limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III PEST-2

SW8082

3F
SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: E & E INC.

Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix Spike - EPA Sample No.: A1-007B

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1254	167	790	820	13.8*	50-150

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
Aroclor-1254	167	1100	144	165	35 50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 1 outside limits

Spike Recovery: 1 out of 2 outside limits

COMMENTS: Positive values for Aroclor-1254 and Aroclor-1260 affect sample recoveries.

3E
WATER PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: E & E INC.

Contract:

Lab Code: EANDE Case No.: 9800.901 SAS No.: SDG No.: 6088

Matrix Spike - EPA Sample No.: BATCH QC

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1254	10.0	0	8.0	80.0	50-150

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Aroclor-1254	10.0	7.50	75.0	6.45	25	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 1 outside limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III PEST-1

SW8082

3F
SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: E & E INC.

Contract:

Lab Code: EANDE Case No.: 9800.901 SAS No.: SDG No.: 6088

Matrix Spike - EPA Sample No.: BATCH QC

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1254	167	220	300	47.9*	50-150

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
Aroclor-1254	167	330	77.8	48.6*	35 50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 1 outside limits

Spike Recovery: 1 out of 2 outside limits

COMMENTS: Positive values for Aroclor-1254 and Aroclor-1260 affect sample recoveries.



END OF DATA PACKAGE